

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

NOTE: MD 117
IS CONSIDERED
TO RUN IN AN
EAST-WEST
DIRECTION.

EXISTING SIGNS
TO BE REMOVED

18,22
LEFT TURN
YIELD
ON GREEN
R10-12
(24"x30")

17,21
R3-4
24" x 24"

19a,23b
Bureau
D-3(1)
(VAR. "x16")
(DUAL FACE)

20
SOUTH
OH-01
(60"x36")

23a,19b
Bureau
D-3(1)
(VAR. "x16")
(DUAL FACE)

PROPOSED SIGNS

R10-3(1)
9" x 15"
PUSH BUTTON
TO CROSS
W DIAMOND AVE
START SIGNAL
PUSH BUTTON
TO CROSS
W DIAMOND AVE
START SIGNAL
PUSH BUTTON
TO CROSS
W DIAMOND AVE
START SIGNAL
PUSH BUTTON
TO CROSS
W DIAMOND AVE
START SIGNAL

R10-3(1)
9" x 15"
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START SIGNAL
PUSH BUTTON
TO CROSS
W DIAMOND AVE
START SIGNAL
PUSH BUTTON
TO CROSS
W DIAMOND AVE
START SIGNAL

34
STREET NAME
WALL TYPE 2

35
STREET NAME
WALL TYPE 2

36
STREET NAME
WALL TYPE 2

37
STREET NAME
WALL TYPE 2

MD 117 (W DIAMOND AVE)

BUREAU DR

24
R4-7
24" x 30"

EXISTING SIGNS

25
EAST
MARYLAND
117
SHIELD
ASSEMBLY
(30"x51")

26
WEST
MARYLAND
117
SHIELD
ASSEMBLY
(48"x75")

30
EAST
MARYLAND
117
SHIELD
ASSEMBLY
(48"x75")

31
ONLY
R3-5(L)
(30"x36")

29
WEST
MARYLAND
117
SHIELD
ASSEMBLY
(30"x51")

28,33
ONLY
R3-5(R)
(30"x36")

27,32
R3-6
(30"x36")

28,33
R3-5(R)
(30"x36")

30
EAST
MARYLAND
117
SHIELD
ASSEMBLY
(48"x75")

31
ONLY
R3-5(L)
(30"x36")

29
WEST
MARYLAND
117
SHIELD
ASSEMBLY
(30"x51")

28,33
ONLY
R3-5(R)
(30"x36")

PROPOSED LED SIGNALS

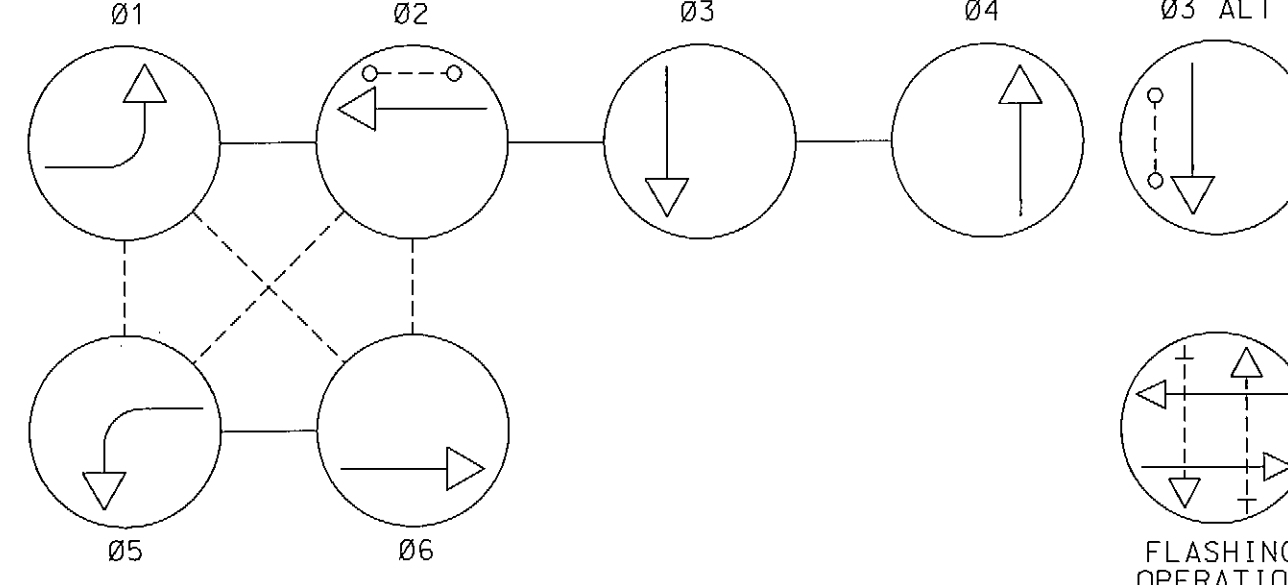
13-16
LED 16"
COUNTDOWN
PEDESTRIAN
SIGNAL HEAD

EXISTING SIGNALS

1,2,4,5
7,8,10,11
3,6,9,12
R
Y
G
R
Y
G
R
Y
G
12"
12"
12"

EXISTING VIDEO DETECTION CAMERA (a-f)

NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

- CONSTRUCTION DETAILS**
- Install 10'(18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).
 - Use existing pedestal pole and remove existing pushbutton, pedestrian signal heads and install countdown pedestrian signal head along with APS pushbutton with pedestrian education sign.
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Install 12" white heat applied preformed thermoplastic pavement marking.(Crosswalk) (Note:Contractor shall remove existing Crosswalk.)
 - Install 24" white heat applied preformed thermoplastic pavement marking.(Stopline) (Note:Contractor shall remove existing stopline.)
 - Use existing handhole.
 - Use existing conduit.
 - Use existing cabinet and controller.
 - Maintain existing underground electrical service.
 - Remove existing pedestal pole, conduit run along with signal head(s). (Note: Contractor shall backfill 12" below grade.)
 - Remove existing pedestrian signal head(s) and pushbutton from mast arm pole.
 - Remove existing overhead R10-12 sign.
 - Remove existing ground mounted R4-7 sign and post.
 - Remove 30' of existing median and install traffic bearing roadway patch.
 - Install 4' median nose as shown.
 - Install R4-7 sign (at 15° angle) on 4"x4" wood post as shown.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---

REVISION "F"

STREET TRAFFIC STUDIES, LTD.

400 Crain Hwy., N.W.
Glen Burnie, MD 21061

Ph (410) 590-5500
Fax (410) 590-6637

5901.dgn

APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1	INSTALL APS AND CPS, UPGRADE ADA RAMPS
2	RECONSTRUCT SIGNAL DUE TO GEOMETRIC CHANGES
3	SS/SHA

TRAFFIC SIGNAL PLAN			
SCALE 1"= 20' DATE AUGUST 2, 1984 CONTRACT NO. M-508-501-385			
DESIGNED BY	COUNTY	MONTGOMERY	
DRAWN BY	G.E.C. OF STS	LOGMILE 15011711.45	
CHECKED BY	DENNIS J. DODA JR.	TIMS NO.	
F.A.P. NO.		TOD NO.	
TS NO. 2029F	DRAWING NO. 1 OF 3	SHEET NO. OF	

- GENERAL NOTES:**
- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
 - All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections, Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
 - All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
 - The contractor shall remove all unused wiring.
 - For all General Notes concerning ADA ramps, crosswalk locations and pedestrian pole and pushbutton locations, see Sheet 2 of 3.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

**MD 117 (WEST DIAMOND AVE) AND
BUREAU DRIVE / NATIONAL INSTITUTE OF
STANDARDS AND TECHNOLOGY ENTRANCE**

GAITHERSBURG, MARYLAND

17/20/2010 8:03:39 AM